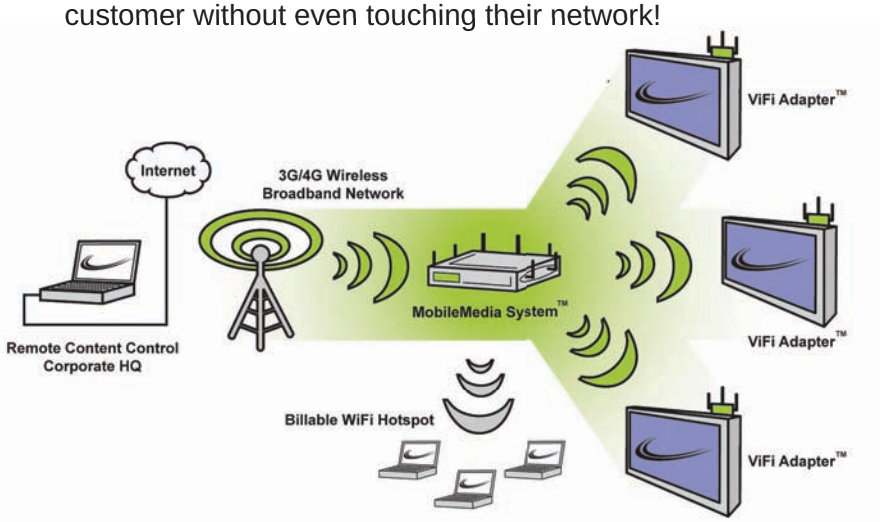
Digital Signage Guide

STaRIN

I.C.G. (Internet Connectivity Group, Inc.) provides wireless solutions to the enterprise IT and professional AV marketplace. The I.C.G. team has focused on developing digital signage solutions utilizing wireless broadband building on the 3G and 4G mobile broadband infrastructure worldwide. I.C.G.'s MobileMedia System™ and ViFi Adapter™ solutions allow you to create a wireless digital signage solution at your customer's location and provide off-site services and updates via the 3G/4G national broadband network. This approach allows you to offer an IP solution to your customer without even touching their network!



- **Easy to install & implement**
- **Lower Cost of ownership**
- **Revenue stream**
- **Expand displays as needed**

MobileMedia System

Media Player/Storage WiFi Router with 3G/4G network module

- Integrated media player and hard drive
- Supports all major video formats including MPEG1, MPEG2, MPEG4, H.264, WMV, DIVX, AVI, MOV
- 160GB Internal Storage
- 3G WWAN module for mobile connectivity
- 10/100 Mbps LAN for wired back-up connectivity
- 802.11g billable WiFi hotspot application

ViFi Adapter

MobileMedia Display Receiver

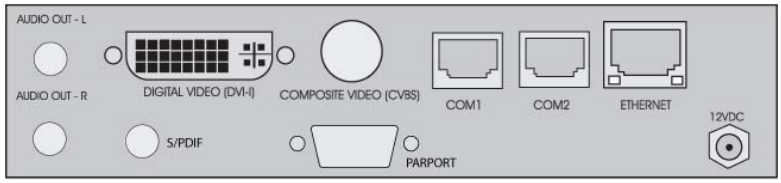
- 1920 X 1080 (1080i) or 1280 X 720 (720p) Output
- Wireless LAN connectivity (IEEE 802.11n)
- D-sub/15-pin Video Output
- Audio Output

STaRIN

Digital Signage Decoder/Player

SignEdje 4 - Flash Memory 4 GIG

SignEdje 8 - Flash Memory 8 GIG



All models feature:

- MPEG 2 & MPEG 4 decoding
- Up to 720p and 1080i resolutions
- 25 Mbps data speed decoding
- External Power Supply

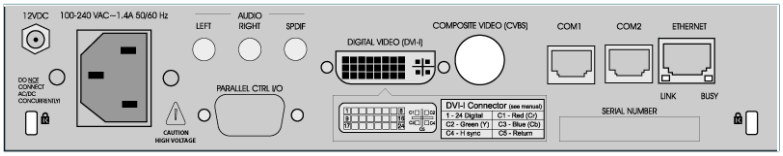
Video Outputs:

- One decode configurable to DVI-I or Composite (BNC)

Audio Outputs:

- S/PDIF digital audio (RCA female), Analog stereo audio (L/R RCA)

Edje4111 HD - 80 GIG HD



Features:

- MPEG 2 & MPEG 4 decoding
- Up tp 720p and 1080i reslutions
- 25 Mbps data speed decoding
- Internal Power Supply

Video Outputs: - One decode configurable to DVI-I or Composite (BNC). Cable required for VGA, YUV, HDMI, RGBHV and RGB.

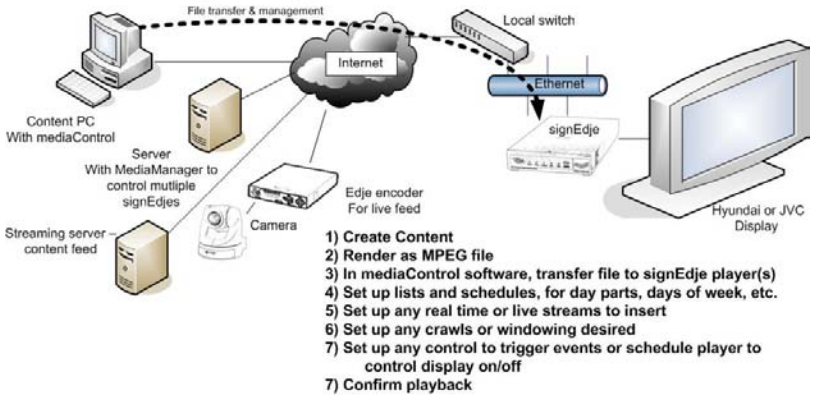
Audio Outputs: - S/PDIF digital audio (RCA female), Unbalanced analog stereo audio (1/8" female)

Soloist HD Pro - 160 GIG HD

Broadcast Quality Player Decoder

- MPEG2, MPEG4, 720p & 1080i media player
- Up to 1080i resolution
- Video aspect format: 4x3 or 16x9
- Scheduling/Control software included
- 19" Rackmountable
- Supports AVC/H.264

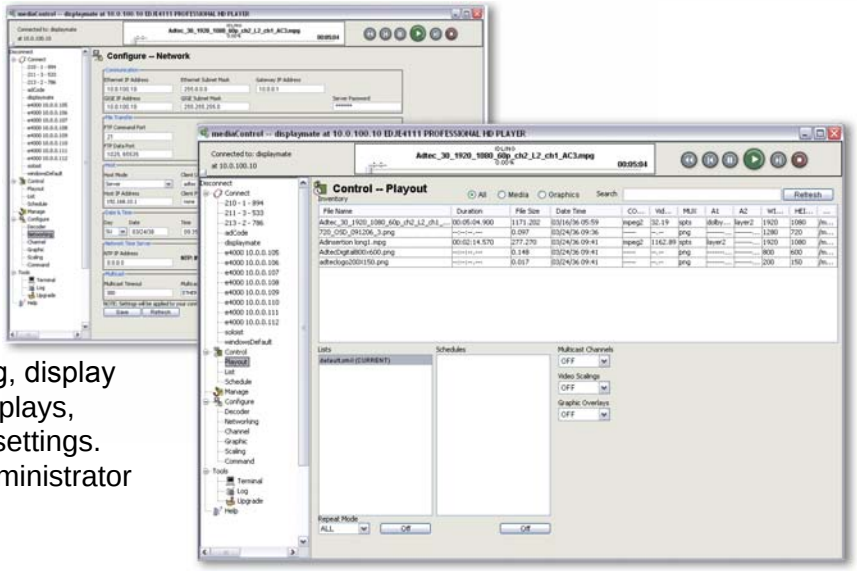
Adtec Digital Signage Workflow



Advanced application - You can have the signEdje play videos and insert a graphic ID overlay, create a crawl of text info, insert real-time feeds at specific times, take a live feed from any video source for an announcement, have a recorded file on a remote server play by a trigger at the display site or activated from another system (i.e. life safety), have external control begin files on the signEdje (touch panel control) or have the signEdje control external devices, like turning on & off the display during off hours.

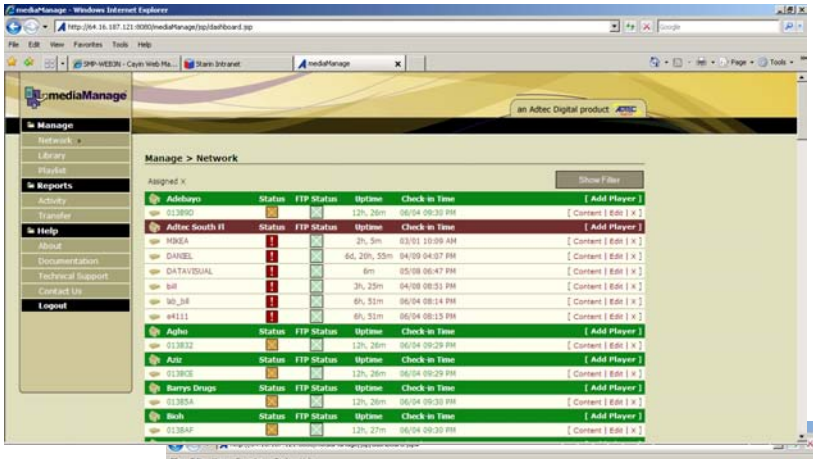
Digital Signage Decoder/Player

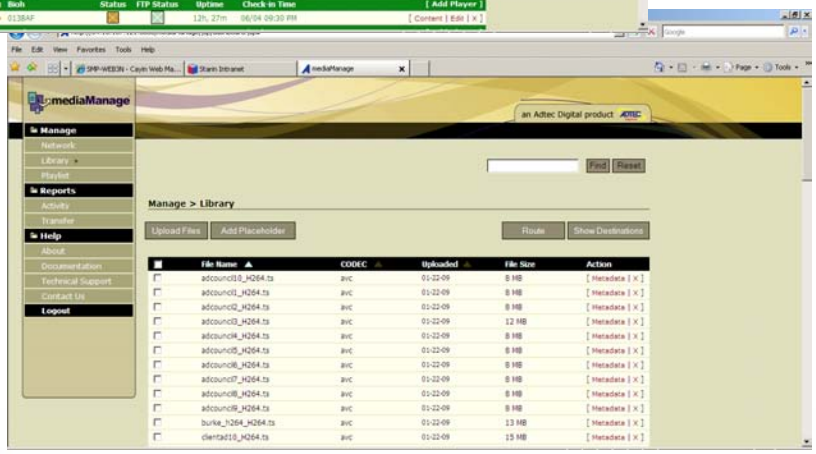
Media Control



MediaControl is content management and scheduling software that resides on an administrator's PC to connect to a SignEdje. It lets you manage your SignEdje media and schedules on the player while controlling the play-out. Sections include a directory of players, file transfer, playlist creation, scheduling, display settings, synchronization of multiple displays, streaming feed sourcing and playback settings. A new web-based version allows an administrator to address players from any PC.

Media Manager

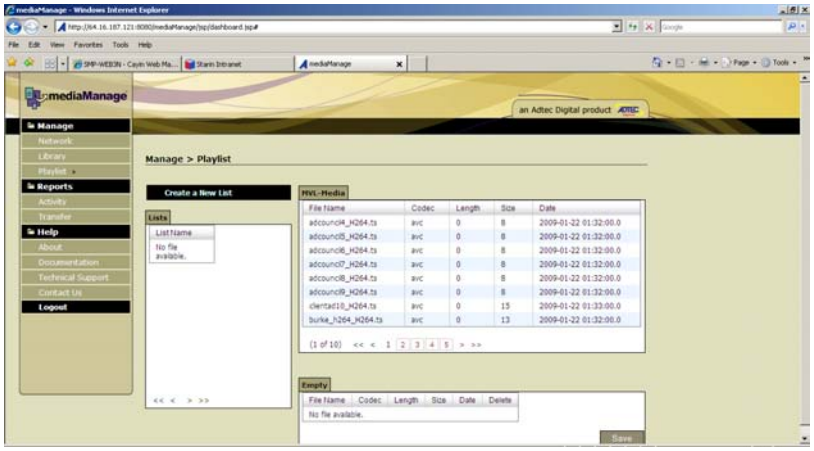




While MediaControl is a direct connection utility to load and manage content on a single or small number of SignEdje players, when you get to a larger deployment of devices, you will want to use MediaManager.

MediaManager is a server-based software application that manages the library of content on the server and what individual or groups of players may get file uploads from that library.

The uploads can be immediate or scheduled for a specific time of day.



Also in MediaManager, you can create playlists and schedule when they will run or when other events may occur. Again, these lists can be sent ad hoc or at scheduled times.

SignEdje players can be monitored from the program for their active state. Reporting to verify a history of what has played is available as well.

Encoding

Media Hub HD Pro The Media HUB-HD Pro is a real-time Broadcast-quality MPEG 2 High Definition encoder. It is designed to support the most demanding Contribution, ATSC, DVB and IPTV Distribution and Cable Labs compliant VOD and DPI studio encoding requirements. Ideal for point-to-point origination facility to viewing friendly application. Automatic SDI detection (HD and SD) of standards and frame rates.

Edje 5110
The edje 5110-RM is a high performance MPEG 2 Standard Definition encoder supporting the most demanding distribution applications and can easily be upgraded to support encrypted or free to air SD 4:2:2 contribution platforms. It's video performance is exceptional, ranging from the lowest 4:2:0 distribution rates all the up to 50 Mbs 4:2:2 for contribution.

Dynamic Digital Signage solutions

CAYIN develops complete networked digital signage solutions, including media players, servers, advanced management software and content-editing software for different vertical markets.

Zone-type Media Player (SMP-PRO Series)

This series is designed for applications which only require displaying video, graphics, and tickers.

SMP-PRO3 / SMP-PRO3N

- 6 zones
- Fanless design
- Landscape display
- Local analog AV-in (SMP-PRO3)

SMP-PROPLUS

- 7 zones
- HD 720p video
- Landscape and portrait display
- 2 videos

Web-based Media Player (SMP-WEB Series)

This series is designed for advanced and interactive applications via HTML, Flash, etc.

SMP-WEB3 / SMP-WEB3N

- Fanless design
- AV-in
- Landscape display
- Local analog AV-in (SMP-WEB3)

SMP-WEBPLUS

- HD 720p video
- Landscape and portrait display
- 2 videos

SMP-WEBDUO

- Full HD 1080p video
- Dual display
- Landscape and portrait display
- DVI
- 2/4 videos

Content Management Server (CMS)

CMS is the dedicated digital signage server for remote and central management over IP network.

CMS-Performance

- Max. 8 video streaming channels
- Unlimited user account
- CPU 2.4G Hz
- 1000Mbps Ethernet

CMS-Mini

- Max. 1 video streaming channel
- Max. 6 accounts
- CPU 1GHz
- 100Mbps Ethernet

Advanced Management Software

Content-Editing Application Software - xPost
This web-based application software, is especially designed to provide predesigned templates and an easy-to-use platform for instant data entry for different vertical markets, such as hotels, convention centers… etc.

Super Monitor
This Windows®-based package software assist administrators monitoring the live status of digital signage network and manage all SMP players and servers.

Super Reporter
This Windows®-based package software helps administrators to generate playback and system status reports for larger-scale management and billing reports.

SONY

STARIN

Digital Signage Solutions

Captivate and motivate your audience with sleek HD displays, flexible input cards and powerful media players.

Excellent Picture Quality in Full HD (1920 x 1080) Resolution

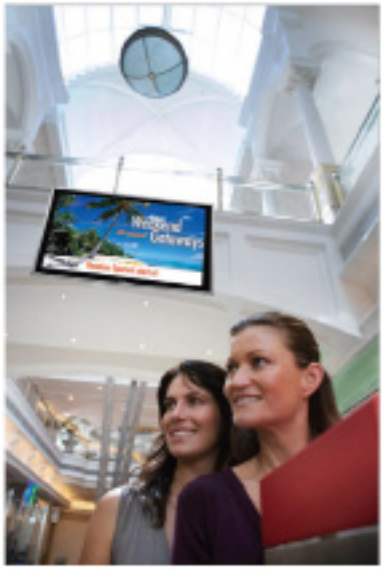
The GXD-L52H1 incorporates a newly developed professional full HD 52" LCD panel with a 16:9 aspect ratio. This high-quality LCD panel offers excellent picture quality thanks to a native resolution of 1920 x 1080 and a high contrast ratio. In addition, it provides a wide viewing angle of 178 degrees, horizontally and vertically, with minimal reduction in picture contrast. Furthermore, the display achieves a high color depth using a precise 10-bit driver.

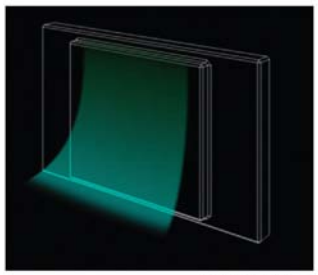
Robust Aluminum Frame Bezel

The adoption of an aluminum frame bezel makes the GXD-L52H1 extremely robust, and also provides a sophisticated appearance that will not fade away even after many years of use.

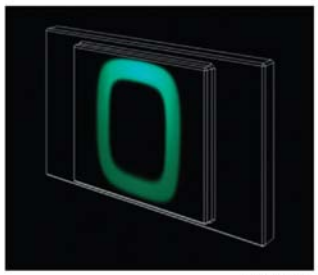
Exchangeable Protection Panel

The GXD-L52H1 is equipped with a protection panel made of tempered glass that is situated in front of the LCD panel to protect the surface from being damaged. This protection panel can be conveniently replaced with a new one, if required, without having to dismount the whole display unit. In addition, anti-reflection (AR) coating on the glass protection panel reduces light reflection for clear, high-contrast picture viewing.





Conventional System



Sony System

Unique Cooling System

The GXD-L52H1 adopts a unique cooling system that increases its reliability and versatility. Whereas conventional systems bring cold air in from outside to cool the unit, and then feed warm air back out, the GXD-L52H1 uses multiple fans to circulate air inside the processor unit, so that all heat generated in the unit is effectively dissipated through an advanced heat sink situated at the rear of the display. Because the unit is completely sealed from external air and there are no air intake filters to be cleaned, the life of the LCD display is greatly extended. This allows the GXD-L52H1 to be deployed in dusty environments - such as train stations, shopping mall entrances, and factories - where conventional displays can often malfunction due to a build-up of dust on their cooling fans. This feature also opens up additional installation opportunities. For example, the GXD-L52H1 display can be tilted - something that is not possible with conventional displays, as tilting reduces the suction efficiency needed for effective cooling.

SONY

Messages that Move

With Sony digital signage solutions, you can create messages that move - and that move your audience. Digital signage is the simple yet powerful way to captivate and motivate customers, and Sony provides all the tools you need to put your product or service in the spotlight with a range of HD displays (from 26" to 52"), input cards, and media players to fit virtually any application.

GXDL52H1 52" 1080p LCD Display

SUPPLIED ACCESSORIES
AC power cord (1)
AC plug holder (2)
Cable holder (6)
Remote Commander®
RM-FW002 (1)
Size AA (R6) batteries (2)
Operating instructions (1)
Warranty card

Features:
- Display Resolution : 1920 x 1080p Full HD
- Pixel pitch 0.6 x 0.6 mm
- Visual area (W/H) 1152 x 648 mm
- Colors 1.07 billion colors (10 bit panel)
- Mount Design: Landscape, Portrait
- Auto sensing Logo illumination
- Tough Aluminum Frame
- Tempered Glass
- Concealed Connections
- Housing is replaceable
- Dust Prevention
- Network Control
- Speakers mounted in rear
- Dimensions (W/H/D) approx. 50 x 30 x 152 in
- Net Weight: Appx.143 lbs.

Inputs and Outputs:
- Analog Audio Input(s) (Total): Pinjack (x2)
- Analog Audio Output(s): Speakers (L/R) Optional
- Composite Video Output(s): BNC (x1) Loop Through
- Dual Option Slot: Yes
- Ethernet Port: Yes
- HD Component Video Input(s): RGB/COMPONENT IN: HD D-sub 15-pin female (x1)
- HD Component Video Output(s): RGB/COMPONENT Out: HD D-sub 15-pin female (x1)
- HDMI™ Connection(s): 2 HDMI ver 1.1
- PC Audio Input(s): Yes
- RS232 Control: D-sub 9-pin (x1)
- S-Video Input(s): Mini DIN 4-pin (x1): when S-Video is used, Composite Video is inactive
- Video In (BNC): (x1): when Video is used, S-Video is inactive

Sony's Three Tiered Solution

Simple Signage - BKMFW-50

So called because after initial setup, content can be loaded simply by inserting a compact flash card. The BKM-FW50 is a networking device for entry level digital signage. It fits right into the display with simple automatic operation. Simple flash card playback.

Features:
- Automatic Timer Function (starts with power on / stops with power off)
- JPG / MPEG2 play lists with MP3 audio background
- Audio Format(s) Supported: MP3
- Network Protocol Support: TCP/IP
- Analog Audio Output: Speakers (L/R) Optional
- Software Operating System: Web-base Controlling
- Software: Web Page
- Streaming playback
- Local file playback
- Store files locally from server
- Automatic start programmed by web page or remote commander
- JPG slideshow with MP3 audio track
- Remote PC presentation with VNC software
- Video Display Resolution: 1024 x 768
- Dimensions: W-5 3/8" H-15/16" D-3 3/4"
- Weight:10.6 oz

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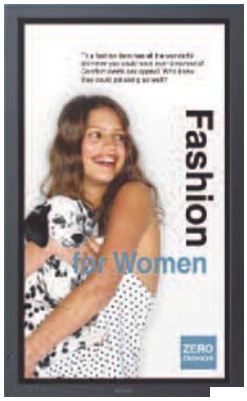
SONY

Sony's Three Tiered Solution

Basic Signage - ICS-FW40 & ICS-FW40D



The biggest change from Simple Signage is the ability to group. This means that content can be made for a group of signs and sent to all the signs in that group in one step.The ICS-FW40 supports real-time streaming of HD from a centralized location of High Definition MPEG4/2, H.264 and WM9. Streaming data may be either UDP or UDP multicast to reduce overall network requirements. The card also enables IP control of Sony displays via RS232 protocol clients. A complete Windows based API is available allowing software developers to create custom control applications or integrate to existing ones. FW40 Commander provides a convenient way to manage 1000s of displays across a network with configuration, scheduling, grouping, playlist creation and content management. The ICS-FW40D adds a 60GB hard drive for on-site playback.

Features:

- Streaming content delivery: IP Based, real time decoding (20 Mbps)
- Multi format HD support: MPEG4/2, H.264, WM9
- USB: Supports external storage or content sync/update
- SRS support:5 Channels
- IP based display control: RS232 protocol
- FW40 Commander Software: Device Configuration: Grouping, Scheduling, Playlist Creation, Content Management
- Firmware Update Capability: In-circuit
- Audio Format(s) Supported: MP3, PCM, AAC, Dolby Digital 5.1
- Graphics Format(s) Supported: JPEG, TIF, GIF, PNG, BMP, HTML
- Audio/Video Output(s): RGB internal, up to 1600 x1200
- Ethernet Port: 10/100BASE-T
- RS-232C internal
- Ethernet Protocol: Internet IP, TCP, UDP, ICMP, ARP, DHCP, HTTP, FTP, IGMP

Advanced Signage - VSP-NS7

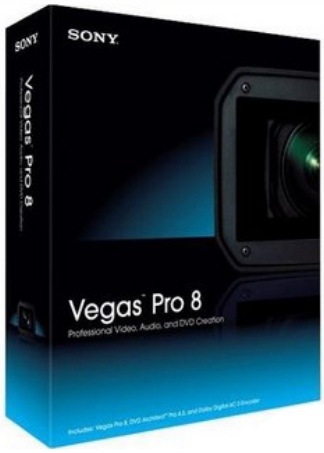
Advanced signage adds layering capability. This means that the screen can be "sliced" up in two sections and one section can be playing video while another section is playing a graphic. The NS7 has the ability to play back WM9HD. The maximum length of a continuous video segment is 30 mins per file. Since the NS7 can switch between two video files within one frame, it will be possible to make a continuous video output. The NS7 has two RS232 control ports. It has control over projectors and display devices, general scheduling, and NS7 management. Content can be sent from the Central management PC to the NS7 to update storage.

Features:

- HD Compliant to 1920x1080
- Seamless Sequential Playout – No black during video switching
- Keying capability – Easy to insert a logo over video playout
- Content Rotation – Easy to rotate video for portrait playback
- Five Layer Playback – Bitmap, JPEG, Browser, Video, and Telop
- Live IP Camera Input
- RS232 Control
- Controls Display Picture in Picture Feature for powerful flexibility with cable/satellite systems

SONY

Sony Content Creation and Services



VEGAS® Content Creation Software

For those of you with a talent for graphic design, Sony's VEGAS content creation software provides you with the tools to create your own original, customized, creative digital signage content on demand. Among its many performance features are unlimited video and audio tracks and the ability to simultaneously mix multiple file formats one time line.

Sony's Content Creation Services

For those not graphic-design inclined, Sony offers ans affordable, creative content service. Simply upload logos, images and text and receive beautiful designed, finished digital signage content in return. For more information, contact SonyDigitalSignage@am.sony.com

Indoor/Outdoor Encloser for Flat Panel Monitors

CHDGCA32B/S
CHDGCA42B/S
CHDGCA50B/S

The Indoor/Outdoor Display Guard™ is designed to protect 32" 42" and 50" large flat panel displays. Integrated security, anti-reflective protective glass and cooling fans make the this a great option to protect flat panel displays from environmental conditions, hazardous areas, and public environments. Kits include integrated A/C and heat. Enclosure recommended for environmental temperatures between 0-104°. NEMA 4x Rating. Enclosures are also waterproof and corrosive resistant. Integrated security included with keyed lock.

Highlights

- Easy installation and maintenance
- Integrated A/C and heat included
- Waterproof/ Corrosive Resistant
- Anti-Reflective glass

Specifications

- Exterior Dimensions (H x W x D): 47.94" x 31.94" x 23.01" (does not include wall mount 2.48")
- Max Screen Dimensions Including Mount (W x H x D): 41" x 25.50" x 5.95"
- Shipping Weight: 175 lbs.
- Weight Capacity: 225 lbs maximum

STaRIN

HYUNDAI

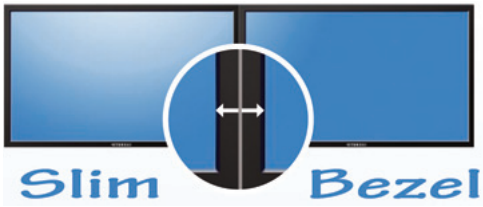
Broadcast your branding with Hyundai IT Digital Signage!

Special Out-Of-Home LCD Panel

By using commercial grade LCD panels for Out-Of-Home applications the HYUNDAI IT Digital Signage have a higher brightness and contrast than standard LCD TV panels. The LCD panel delivers clear and bright image contents in the portrait or landscape format without any losses of quality.

Ultra-High Native Resolution

With a native resolution of 1366 x768, the Hyundai Digital Signage display series can display high-resolution and more data information on the 40” and 46” LCD screen in 16:9 ratio format. The native HD resolution delivers better brightness and more crisp images for displaying HD graphics and videos.



More Screen Units, Less Slim Frame

When multiple displays are required in installation to display unified images, the ultra slim bezel makes it easier than ever to build amazing digital signage video wall solutions.

Video Wall Function

Greatly enhance the features and functions to display for digital signage video wall solution. Daisychain refers to assigning and dedicating an individual display ID to each display. Screen Enlarger refers to enlarging the single image or video for displaying full screen video wall. Support Wall-Mounting holes in the rear cabinet to ensure the compatibility and thus an easy installation with universal wallmounting brackets.

High Connectivity

Providing an array of various professional input and output connectors [HDMI, DVI, Component /Composite (BNC), VGA] HYUNDAI IT Digital Signage afford an easy, flexible and multiple connection to a full range of external A/V devices.

Wide Viewing Angle

The wide viewing angle (178°) is very beneficial in meeting environments where detailed information is viewed by all participants.

Heat Control & Auto Cooling System

In order to avoid any image corruption or downtime by overheating HYUNDAI IT Digital Signage are equipped with an innovative built-in fan & heat control system, which makes the displays ready for the operation in any climatic environment.

In/Out Expandability

With various Input/Output ports [HDMI, DVI, BNC (Component/Composite), VGA] users can easily connect and install multiple screens with their system.

HYUNDAI

Digital Information Display

Hyundai commercial grade 24/7 monitors have the best configuration to support Digital Signage from one display to multiple video walls. They create a practically seamless view for a multi unit wall matrix, on the cutting edge of ultra narrow bezel displays. The built-in daisy chain function allows individual displays to support multi viewing configuration. Hyundai digital signage displays are easy to install, can be portrait or landscape view, have durable metal chassis and can be special ordered with optional tempered glass for protection. Does your customer want a basic logo-less look? Hyundai doesn't let the brand get in the way of the message.

Features for the brightest D460ML-B 46":
- Native Resolution: 1366 x 768
- Brightness: 1500 cd/m2
- Contrast Ratio: 3000:1

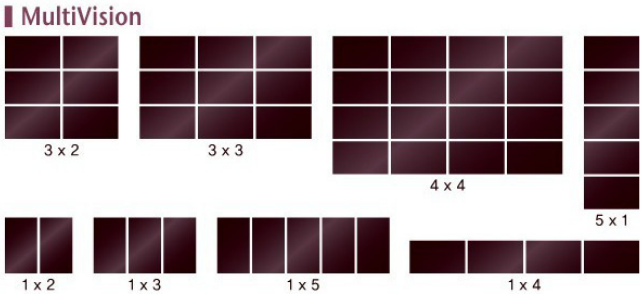
Features for D400ML 40" & D460ML 46":
- Native Resolution: 1366 x 768
- Brightness: 700 cd/m2
- Contrast Ratio: 2000:1

Features for D405ML 40" & D465ML 46"
- Native Resolution: 1920x1080
- Brightness: 450 cd/m2
- Contrast Ratio: 4000:1

D525ML 52", D575ML 57" & D705ML 70":
- Native Resolution: 1920x1080
- Brightness: 600 cd/m2
- Contrast Ratio: 1700:1

Common features for series
- Response Time: 8 ms
- Life: 50,000 Hr
- Metal enclosure
- Multi-Screen Function (Loop)
- Auto Power Control (On & Off timer)

Inputs and Outputs:
- Analog RGB / PC Audio
- HDMI
- Composite (BNC) / Composite Audio
- Component (BNC) / Component Audio
- RS232C



Models Available:
D320ML 32"
D400ML 40"
D420ML 42"
D460ML 46"
D525ML 52"
D575ML 57"
D705ML 70"

D465ML - 1920x1080 resolution version
D320MK - with media player card slot
B420MN - with internal PC

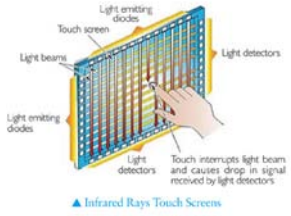
Accessories:
Power Cord
User's Guide
HDMI Cable
Remote Control

STaRIN

HYUNDAI

Infrared Ray Touch Display

The MLI series shows the same great features of the ML series but with the added bonus of an Infrared Ray Touch Display. These attractive displays come in 40” / 42” / 46” / 52” / 57” / 70”.



▲ Infrared Rays Touch Screens

-- SPECIAL ORDER --

Features:
- Housing: Black Powder Coated Metal
- Touch Resolution: 10,624 x 6,016
- Response Time: Touch: 21, Drawing: 33 ms
- Touch Intensity: Over 60,000,000
- Detection Method: Infared Rays
- Interface: USB 1.1
- Optics Cell Pitch(mm): 5.35
- Operating Voltage(V): 4.6~5
- Power (W): 0.6 (120mA/5V)
- Bezel Size with Touch Screen (U/D/L/R): 1.54 / 1.54 / 2.05 / 2.05

Optical Touch Display

Hyundai MLC series is a Touch display with Optical touch display. Optical touch technology has camera senor touch. These amazing displays come in 52” / 57” / 70”.

-- SPECIAL ORDER --

Features:
- Housing: Silver Aluminum
- Display Resolution: 32,000 x 18,000
- Response Time: 10 ms
- Touch Intensity: No Limit
- Detection Method: Infared Rays
- Interface: USB 2.0
- Operating Voltage(V): 5
- Power (W): 1.5 (300mA/5V)
- Bezel Size with Touch Screen (U/D/L/R): D525MLC 4.63 / 1.30 / 1.30 / 1.30

Indoor Public Displays | Stand-Alone Type

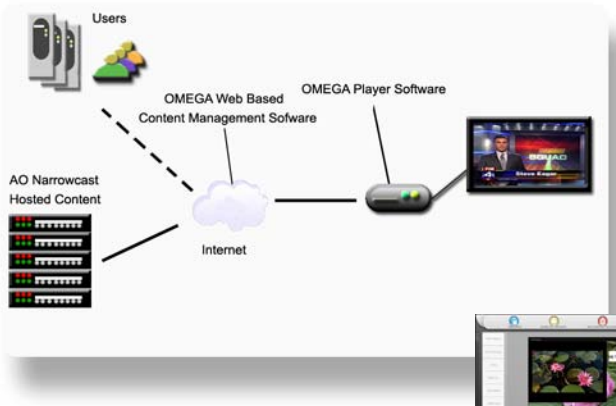
The Hyundai SL series are the best solution for single screen information signage. Combining dynamic screen contents and the static depiction of your corporate identity the Stand-Alone Public Displays are bringing the maximum brand communication to the Point of Information. Exhibitions, hotel and offices lobbies, customer waiting areas and retail shops are some examples for versatile fields of operation. These displays come in 46” / 52”.

Features:
- Display colors: 16.7 Mil
- Brightness : 700 cd/m2
- Contrast : 2,000:1
- Viewing Angle(H/V): 178°/178°
- Response Time: 8ms
- Life Time : 50,000 average
- Can be equipped with a PC or any other AV player and easily stored in cabinet.
- Housing is made full of steel and can be locked
- Touch Screen Function (Option)

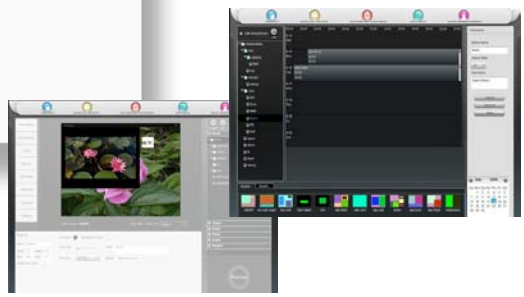
-- SPECIAL ORDER --

Narrowcast Inc.

OMEGA Web Based Content Management Software



The AO Narrowcast Omega Web Based Content Management Software is a fully functional Digital Signage management service that provides the user with the ability to manage, enhance, schedule, design, and upload content remotely. This software enables the user to manage thousands of Digital Signage devices through their network.



PREMIER MOUNTS™
The original holding company

Display Mounts

Flat Panel Display Mounts & Carts

Atlas - Flat-Panel Mounts
Atlas Flat Wall Mounts combine superior stability and security to create a solid platform for your large screen flat-panel display. They come in a variety of types such as: tilting, rotating, ceiling and more.

Infinity - Swingout Wall Mounts
Swingout arm mounts are available for all sizes of flat panels. Choose from scissor-style, radial glide or swingout arm.

Terra - Floor stands & Carts
Mount one or two flat panels to these strong, stable stands and carts. Display in your home, buisness or for educatioal use.

STaRIN

711N & 712N Composite Video & Stereo Audio over Twisted Pair Transmitter.

705xl & 706xl twisted pair transmitter and receiver for composite video signals.

TP-300FW & TP-400FW twisted pair transmitter or receiver for FireWire (IEEE 1394) signals.

TP-551 and TP-552 twisted pair transmitter and receiver for HDMI signals.

TP-310A 1:10 Computer Graphics Video, Audio & RS-232 Twisted Pair Receiver & Distribution Amplifier

TP-305A 1:5 Computer Graphics Video, Audio & RS-232 Twisted Pair Receiver & Distribution Amplifier

magenta

MAGENTA RESEARCH

MultiView Series provides the most comprehensive portfolio of products enabling the simplest to most complex installations. Whether the application is point-to-point, point to multi-point, or multi-point to multi-point, the MultiView series combines the world's longest extension and highest resolution capabilities with a wide variety of configuration options.

Infinea & HD-One DVI/HDMI Extension over UTP While the plug & play capability, guaranteed compatibility and superior specifications of analog VGA continue to make it the de-facto choice for video distribution in digital signage applications, Magenta Research offers a wide portfolio of products for the extension of DVI and HDMI signals over UTP cabling for applications demanding end to end distribution in the digital domain.

Infinea DVI - DVI Extension over UTP/Fiber Uniquely flexible platform that can extend full HD video, stereo audio and addressable duplex serial over either UTP, multi-mode fiber (MMF), single mode fiber (SMF), or a combination of these cabling options. Moreover, the standard daisy chaining capability of each receiver delivers unlimited distance range as an infinite number of units can be daisy chained with any combination of cabling.

Have a client with locations dispersed beyond your typical service area?

Starin has a third party relationship with a company that only provides field labor and knows digital signage well. There is no competitive threat and they will professionally execute the job like you would want.

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